



Scale = 1:52.3

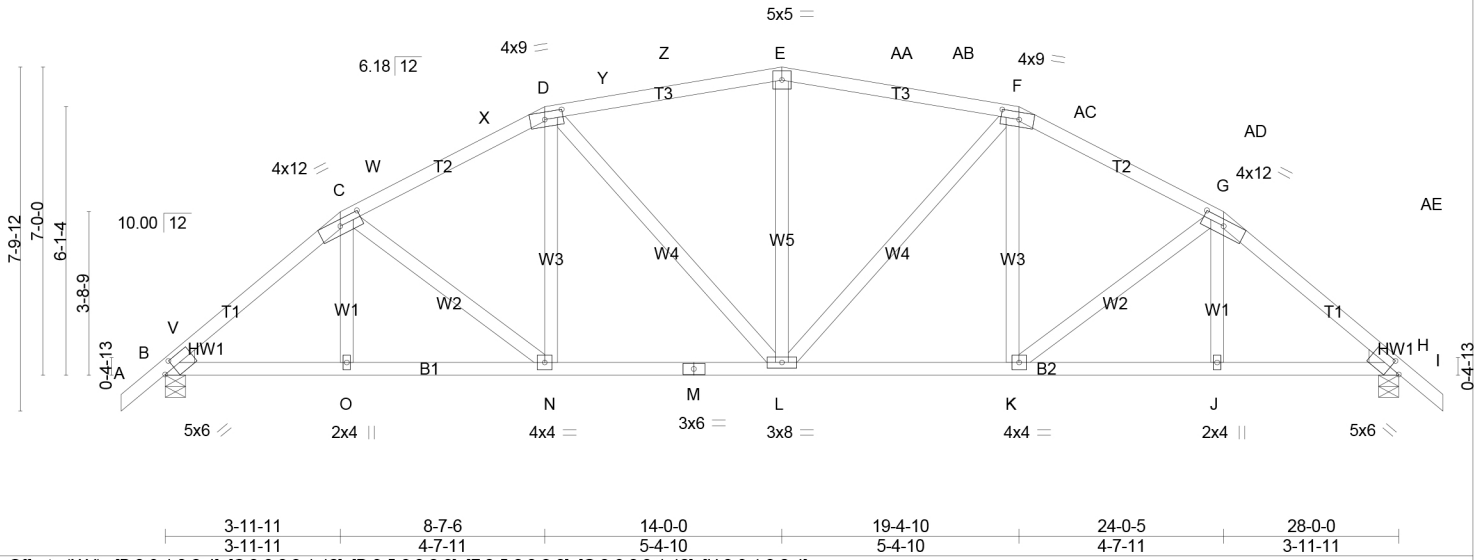


Plate Offsets (X,Y): [B:0-3-1,0-2-4], [C:0-6-0,0-1-12], [D:0-5-0,0-2-0], [F:0-5-0,0-2-0], [G:0-6-0,0-1-12], [H:0-3-1,0-2-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.8 ** (Ground Snow=50.0) TCDL 10.0 BCLL 0.0 * BCDL 10.0	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.65 BC 0.64 WB 0.25 (Matrix-M)	in (loc) l/defl L/d TC -0.11 L >999 240 Vert(TL) -0.21 L-N >999 180 Horz(TL) 0.11 H n/a n/a	MT20	169/123
				Weight: 111 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SPF-S No.2
 BOT CHORD 2x4 SPF-S No.2
 WEBS 2x4 SPF-S No.2
 WEDGE
 Left: 2x4 SPF-S No.2, Right: 2x4 SPF-S No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-2-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) B=1708/0-5-8 (min. 0-3-6), H=1708/0-5-8 (min. 0-3-6)
 Max HorzB=151(LC 8)
 Max UpliftB=-160(LC 9), H=-160(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-V=-2201/143, C-V=-2181/172, C-W=-1983/186, W-X=-1886/196, D-X=-1821/209, D-Y=-1772/216,
 Y-Z=-1729/219, E-Z=-1726/224, E-AA=-1726/224, AA-AB=-1729/219, F-AB=-1772/216, F-AC=-1821/209,
 AC-AD=-1886/196, G-AD=-1983/186, G-AE=-2181/172, H-AE=-2201/143
 BOT CHORD B-O=-122/1595, N-O=-15/1597, M-N=0/1676, L-M=0/1676, K-L=0/1676, J-K=-15/1597, H-J=-122/1595
 WEBS F-L=-188/271, D-L=-188/271

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp C; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) ** TCLL: ASCE 7-05; Pg=50.0 psf (ground snow); Ps= varies (min. roof snow=35.8 psf) see load cases; Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 38.5 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint B and 160 lb uplift at joint H.
 - 9) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-C=-92, C-D=-97, D-E=-97, E-F=-97, F-G=-97, G-I=-92, P-S=-20